

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	14093	(pilot\$4 or train\$4 or known or preamble\$4) with (data or information or payload) with (phase or angle) and @ad<="20030312"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/08 12:36
L2	1933	(pilot\$4 or train\$4 or known or preamble\$4) with (data or information or payload) with (phase or angle) with (modif \$4 or chang\$4 or convolut\$5 or insert\$4 or add\$4) and @ad<="20030312"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/08 12:38
L3	109	(pilot\$4 or train\$4 or known or preamble\$4) with (data or information or payload) with (phase or angle) with (modif \$4 or chang\$4 or convolut\$5 or insert\$4 or add\$4) and (ofdm or mc-cdma or ofdma or "802.11") and @ad<="20030312"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/08 12:38
L4	807	(pilot\$4 or train\$4 or known or preamble\$4) with (QPSK or BPSK) same (data or payload or information) with (BPSK or QPSK) and @ad<="20030312"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/08 13:06
L5	673	(pilot\$4 or train\$4 or known or preamble\$4) with (QPSK or BPSK) with (data or payload or information) with (BPSK or QPSK) and @ad<="20030312"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/08 13:06
L6	307	(pilot\$4 or train\$4 or known or preamble\$4) with (QPSK or BPSK) with (data or payload or information) with (BPSK or QPSK) with (phase or angle) and @ad<="20030312"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/08 13:06
L7	230	(pilot\$4 or train\$4 or known or preamble\$4) with (QPSK or BPSK) with (data or payload or information) with (BPSK or QPSK) with (phase or angle) same modulat\$5 and @ad<="20030312"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/08 13:07

L8	61	(pilot\$4 or train\$4 or known or preamble\$4) with (QPSK or BPSK) with (data or payload or information) with (BPSK or QPSK) with (phase or angle) same modulat\$5 and (ofdm or mc-cdam or "802") and @ad<="20030312"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/08 13:07
L9	0	convolut\$5 with data with pilto and @ad<="20030312"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/08 13:16
L10	65	convolut\$5 with data with pilot and @ad<="20030312"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/08 13:16
L11	3	convolut\$5 with data with pilot with phase and @ad<="20030312"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/08 13:18
L12	40	("4462101"   "5233629"   "5233630"   "5396518"   "5428631"   "5469452"   "5535228"   "5602583"   "5633881"   "5757856").PN. OR ("5878085").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/08 13:29
L13	1	"10549387"	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/08 13:54
L14	15	convolut\$5 with pilot with phase with (data or subcarrier or information)	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/08 13:59
L15	713	((data or information) adj phase) and ofdm	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/08 14:14
L16	154	((data or information) adj phase) and ofdm and @ad<="20030413"	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/08 14:14
L17	8	((data or information) adj phase) with pilot and ofdm and @ad<="20030413"	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/08 14:14

L18	44	(US-20060034378-\$ or US-20020034214-\$ or US-20040178954-\$ or US-20020172184-\$ or US-20040125880-\$ or US-20040085919-\$ or US-20030096579-\$ or US-20020138807-\$ or US-20030072254-\$).did. or (US-7391713-\$ or US-6618352-\$ or US-7339882-\$ or US-7483366-\$ or US-7697410-\$ or US-7400609-\$ or US-7251291-\$ or US-7016426-\$ or US-6973118-\$ or US-6959052-\$ or US-6888789-\$ or US-7606138-\$ or US-7248559-\$ or US-7236452-\$ or US-6927728-\$ or US-7215635-\$ or US-7028246-\$ or US-6980509-\$ or US-6246698-\$ or US-5949796-\$ or US-7065154-\$ or US-6947530-\$ or US-7251288-\$ or US-7161973-\$ or US-7286508-\$ or US-6985538-\$).did. or (US-6993092-\$ or US-6456672-\$ or US-6891907-\$ or US-7672382-\$ or US-7457324-\$ or US-7085314-\$ or US-6810020-\$ or US-5878085-\$).did. or (WO-9909720-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2011/05/08 14:30
L19	5	18 and (data adj phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/08 14:30
L20	10	((data or information) adj phase) same pilot and ofdm and @ad<="20030413"	US-PGPUB; USPAT; USOCR	OR	ON	2011/05/08 14:48
S2	1	("2006/0269011").URFN.	USPAT	OR	ON	2009/03/31 09:37
S3	3	((("6026123") or ("0752779"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2009/10/27 11:35
S4	5	motorola and parmelee and jasper	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/27 11:52

S5	826	ofdm and (data or symbol) with (pilot or train\$4 or preamble or control) with (convolut\$3 or (phase near (shift\$3 or rotat\$4 or chang \$4)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/27 11:54
S6	86	ofdm and (data or symbol) with (pilot or train\$4 or preamble or control) with (convolut\$3 or (phase near (shift\$3 or rotat\$4 or chang \$4))) same (modulat\$5 with (subcarrier or sub-carrier\$3 or sub\$2carrier\$3 or tone \$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/27 11:54
S7	21	ofdm and (data or symbol) with (pilot or train\$4 or preamble or control) with (convolut\$3 or (phase near (shift\$3 or rotat\$4 or chang \$4))) same (modulat\$5 with (subcarrier or sub-carrier\$3 or sub\$2carrier\$3 or tone \$2)) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/27 12:01
S8	188	ofdm and (data or symbol) with (pilot or train\$4 or preamble or control) with (convolut\$3 or (phase near (shift\$3 or rotat\$4 or chang \$4))) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/27 13:21
S9	14	ofdm and (data or symbol) with (pilot or train\$4 or preamble or control) with (convolut\$3) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/27 13:53
S10	70	ofdm and (data with (control or pilot)) with (add\$3 or combin\$3 or sum\$4) same (subcarrier or sub\$1carrier) same modulat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/27 15:06
S11	8	ofdm and (data with (control or pilot)) with (add\$3 or combin\$3 or sum\$4) same (subcarrier or sub\$1carrier) same modulat\$4 and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/27 15:16
S12	1	("2006/0269011").URPN.	USPAT	OR	ON	2009/10/27 15:33
S13	6	("20010022777"   "20040264595"   "20060269011"   "5302914"   "5636247"   "7023930"). PN. OR ("7391713").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/27 15:33

S14	17	convolut\$4 with data with (control or training or pilot) same (subcarrier\$3 or sub-carrier\$2 or tone\$2)	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/27 15:35
S15	7	convolut\$4 with data with (control or training or pilot) same (subcarrier\$3 or sub-carrier\$2 or tone\$2) and @ad<="20031007"	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/27 15:35
S16	81	((BRIAN) near2 (STEWART)). INV.	US-PGPUB; USPAT	OR	ON	2009/10/28 09:14
S17	1	((BRIAN) near2 (STEWART)). INV. and ofdm	US-PGPUB; USPAT	OR	ON	2009/10/28 09:15
S18	2347	"375/240.24".OQLS.	US-PGPUB; USPAT	OR	ON	2009/10/28 09:16
S19	14	S18 and ofdm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/28 09:16
S20	4744	pilot same (data or symbol) same (convolution or convoluting or multipl\$4 or add\$4 or sum\$4 or difference \$3 or subtract\$4 or combin \$4) and ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/28 09:33
S21	1891	pilot same (data or symbol) same (convolution or convoluting or multipl\$4 or add\$4 or sum\$4 or difference \$3 or subtract\$4 or combin \$4) same (subcarrie\$4 or sub \$1carrier\$4 or tone\$2) and ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/28 09:33
S22	272	pilot same (data or symbol) same (convolution or convoluting or multipl\$4 or add\$4 or sum\$4 or difference \$3 or subtract\$4 or combin \$4) same (subcarrie\$4 or sub \$1carrier\$4 or tone\$2) same (phase near (shift\$4 or add \$4 or difference or subtract \$4 or rotat\$4)) and ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/28 09:34

S23	74	pilot same (data or symbol) same (convolution or convoluting or multipl\$4 or add\$4 or sum\$4 or difference \$3 or subtract\$4 or combin \$4) same (subcarrie\$4 or sub \$1carrier\$4 or tone\$2) same (phase near (shift\$4 or add \$4 or difference or subtract \$4 or rotat\$4)) and ofdm and @ad<="20030318"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/28 09:35
S24	35	pilot with (data or symbol) with (convolution or convoluting or multipl\$4 or add\$4 or sum\$4 or difference \$3 or subtract\$4 or combin \$4) same (subcarrie\$4 or sub \$1carrier\$4 or tone\$2) same (phase near (shift\$4 or add \$4 or difference or subtract \$4 or rotat\$4)) and ofdm and @ad<="20030318"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/28 10:54
S25	379	pilot with symbol with (multipl\$4 or add\$4 or subtract\$4 or rotat\$4 or shift \$4)and ofdm and @ad<="20030318"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/28 11:01
S26	97	pilot with symbol with (multipl\$4 or add\$4 or subtract\$4 or rotat\$4 or shift \$4) same (subcarrier\$2 or sub-carrier\$2 or sub\$2carrier \$3) and ofdm and @ad<="20030318"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/28 11:02
S33	1	("20040268190").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2009/10/28 13:25
S34	1085	ofdm and (data or symbol) with (pilot) same (( convolution or multipl\$4 or rotat\$4 or shift\$4) with phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/28 14:33
S35	357	ofdm and (data or symbol) with (pilot) same (( convolution or multipl\$4 or rotat\$4 or shift\$4) with phase) same (subcarrier\$3 or sub\$2carrier\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/28 14:33

S36	69	ofdm and (data or symbol) with (pilot) same (( convolution or multipl\$4 or rotat\$4 or shift\$4) with phase) same (subcarrier\$3 or sub\$2carrier\$3) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/28 14:34
S37	1	("7447268").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2009/10/28 15:05
S38	626	(combin\$4 or add\$4 or sum \$4) with (pilot) with (data or symbol) with phase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/28 15:17
S39	57	(combin\$4 or add\$4 or sum \$4) with (pilot) with (data or symbol) with phase and ofdm and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/28 15:18
S40	13	("20010005401"   "20010033623"   "20020065047"   "20020145971"   "20020159533"   "20030058968"   "4716574"   "5274629"   "5627863"   "5732113"   "5912876"   "6097714"   "6522700").PN. OR ("7339882").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 15:26
S41	466	375/269	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/28 16:17
S43	1076	(375/269,265).CQLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2009/10/28 16:17
S44	19	S43 and (ofdm) and pilot same phase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/28 16:17
S45	66	(phase near (add\$4 or subtract\$4)) same (data with pilot)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/28 16:56
S46	38	(phase near (add\$4 or subtract\$4)) same (data with pilot) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/28 16:57

S47	22	(phase near (add\$4 or subtract\$4)) with (data with pilot) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/28 17:04
S48	6	(phase near (add\$4 or subtract\$4)) with (data with pilot) and ofdm and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/28 17:04
S49	626	(combin\$4 or add\$4 or sum \$4) with (phase\$4) with pilot with (data or symbol)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/28 17:14
S50	42	(combin\$4 or add\$4 or sum \$4) with (phase\$4) with pilot with (data or symbol) with ofdm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/28 17:15
S51	14	(combin\$4 or add\$4 or sum \$4) with (phase\$4) with pilot with (data or symbol) with ofdm and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/28 17:15
S52	58	(combin\$4 or add\$4 or sum \$4) with (pilot) with (data or symbol) with ofdm and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/28 17:20
S53	370	(add\$4 or combin\$4) with (data) with pilot with phase	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/29 09:08
S54	4	(add\$4 or combin\$4) with (data) with pilot with phase same ofdm and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/29 09:20
S55	1	("6026123").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2009/10/29 09:21
S57	5	("20050034009"   "6956847"   "7068679"   "7164860"   "7227876").PN. OR ("7542479").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/29 09:32
S58	7	ofdm and (pilot) with data with (embed\$4 or insert\$4) with random	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/29 10:40
S59	136	ofdm and (pilot) with data with (embed\$4 or insert\$4) and @ad<="20030518"	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/29 10:41



S60	10	("20010018483"   "20010053143"   "20030021332"   "20070053282"   "20070253324"   "6496144"   "6801586"   "6850481"   "6985434"   "7039004").PN. OR ("7463577").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/29 10:51
S61	5	ofdm and (pilot with control) with data with (embed\$4 or insert\$4) and @ad<="20030518"	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/29 10:54
S62	2	"US 20060269011"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/10/29 11:19
S63	111	ofdm and (pilot or preamble) same ("I" or (real) or in- phase) same ("Q" or quadrature or imaginary) same IFFT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 13:55
S64	18	ofdm and (pilot or preamble) same ("I" or (real) or in- phase) same ("Q" or quadrature or imaginary) same IFFT and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 13:55
S65	100	(pilot) same ("I" or (real) or in-phase) same ("Q" or quadrature or imaginary) same IFFT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 13:59
S66	16	(pilot) same ("I" or (real) or in-phase) same ("Q" or quadrature or imaginary) same IFFT and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 13:59
S67	56	ofdm and IFFT same "I" with "Q" same pilot	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 14:00
S68	56	ofdm and IFFT same pilot same ("I" with "Q")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 14:02
S69	6	ofdm and IFFT same pilot same ("I" with "Q") and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 14:03

S70	9	ofdm and IFFT same (preamble or pilot) same ((*I" or real) with (quadrature or "Q")) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 14:09
S71	10	IFFT same (preamble or pilot) same ((*I" or real) with (quadrature or "Q")) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 14:13
S72	85	IFFT same (preamble or pilot) and ((*I" or real) with (quadrature or "Q")) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 14:14
S73	313	IFFT and (preamble or pilot) and ((*I" or real) with (quadrature or "Q")) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 14:29
S74	264	ofdm and IFFT and (preamble or pilot) and ((*I" or real) with (quadrature or "Q")) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 14:29
S75	1	(*7738572").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/06/17 15:15
S76	11	(*20030053563"   "20030072393"   "20040092241"   "20050008101"   "20060078058"   "5263196"   "5414728"   "5953311"   "6462626"   "6535560"   "6977977").PN. OR (*7738572").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/17 15:18
S77	1	(*20060034378").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/06/17 15:26
S78	1	(*20090323510").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/06/17 15:30
S79	1	(*20050084042").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/06/17 15:31
S80	122	"I" with "Q" with IFFT same modulats\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 15:34

S81	40	"I" with "Q" with IFFT same modulat\$5 and @ad<="20030818"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 15:35
S82	1	("5732113").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/06/17 15:35
S83	1	((("7606138") or (" ")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/06/17 15:42
S84	3	ofdm and (sub-carrier\$4 or subcarrier\$4 or ton\$4) with ("I" or real) with ("Q" with imaginary) same IFFT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 15:46
S85	20	ofdm and (sub-carrier\$4 or subcarrier\$4 or ton\$4) same ("I" or real) same ("Q" with imaginary) same IFFT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 15:47
S86	97	((multi\$4 or plur\$4) with (sub-carrier\$4 or subcarrier\$4 or ton\$4) and ("I" or real) same ("Q" with imaginary) and IFFT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 15:49
S87	26	((multi\$4 or plur\$4) with (sub-carrier\$4 or subcarrier\$4 or ton\$4) and ("I" or real) same ("Q" with imaginary) and IFFT and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 15:50
S88	567	((multi\$4 or plur\$4) with (IFFT or inverse adj fourier adj transform adj matrix)) same (subcarrier\$4 or sub-carrier\$4 or ton\$4) and OFDM and modulat\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 15:59
S89	99	((multi\$4 or plur\$4) with (IFFT or inverse adj fourier adj transform adj matrix)) same (subcarrier\$4 or sub-carrier\$4 or ton\$4) and OFDM and modulat\$5 and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 15:59
S90	2	"US 20060269011"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2010/06/17 16:35
S91	1388	ofdm and (phase with (rotat \$5 or shifts\$4)) same (modulat\$5) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 16:48

S92	149	ofdm and (phase with (rotat \$5 or shift\$4)) same (IFFT or inverse adj fast adj fourier adj transform) same (modulat\$5) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 16:48
S93	71	ofdm and (phase with (rotat \$5 or shift\$4)) same (IFFT or inverse adj fast adj fourier adj transform) same (modulat\$5) and pilot\$4 and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 16:53
S94	3	ofdm and IFFT with ((sub-channel or sub-carrier\$4) adj map\$4) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 17:00
S95	4	ofdm and IFFT same ((sub-channel or sub-carrier\$4) adj map\$4) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 17:00
S96	6	ofdm and IFFT same ((sub-channel or subchannel or subcarrier\$4 or sub-carrier \$4) adj map\$4) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 17:00
S97	7	("6389138"   "6535066"   "6618367").PN. OR ("7028246").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2010/06/17 17:01
S98	16	IFFT same ((sub-channel or subchannel or subcarrier\$4 or sub-carrier\$4) adj2 map \$4) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 17:02
S99	16	IFFT same ((sub-channel or subchannel or subcarrier\$4 or sub-carrier\$4) adj2 map \$4) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 17:02
S100	68	ofdm and ((sub-channel or subchannel or subcarrier\$4 or sub-carrier\$4) adj2 map \$4) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 17:06
S101	40	((sub-channel or subchannel or subcarrier\$4 or sub-carrier \$4) adj2 map\$4) and IFFT and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 17:31
S102	1	("6026123").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/06/17 18:01

S103	3878	((fft)and ((phase with (rotat \$4 or shift\$4)) or random\$5) same modulat\$5	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 18:03
S104	834	((fft) same ((phase with (rotat\$4 or shift\$4)) or random\$5) same modulat\$5	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 18:03
S105	22	((fft) same ((phase with (rotat\$4 or shift\$4)) or random\$5) same modulat\$5 same convolution	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 18:03
S106	142	IFFT same modulat\$5 same (rotat\$4 or shift\$4) same (sub adj1 carrier or sub adj1 channel)	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 18:08
S107	28	IFFT same modulat\$5 same (rotat\$4 or shift\$4) same (sub adj1 carrier or sub adj1 channel) and @ad<="20030318"	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/17 18:09
S108	11	((I with Q with (subcarrier\$4 or sub\$2carrier\$4 or sub subchannel\$4 or sub \$2channel\$4)) same (IFFT) and @ad<="20030318"	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/18 10:07
S109	5	((I with Q with (subcarrier\$4 or sub\$2carrier\$4 or sub subchannel\$4 or sub \$2channel\$4)) and (IFFT) same pilot and @ad<="20030318"	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/18 10:09
S112	3	((complex with (convol\$7) with pilot\$4) and @ad<="20030318"	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/18 10:13
S113	3	((convol\$5 same IFFT same pilot) and modulat\$5 with (subcarrier\$4 or subchannel \$4 or sub\$2carrier\$4 or sub \$2channel\$4) and @ad<="20030318"	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/18 10:23
S114	3	((FDRM) and @ad<="20030318"	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/18 10:26

S115	4	(pilot with data with (convolut\$5 with encod\$5)) same IFFT and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/18 10:28
S117	34	(convolution adj encod\$5) and IFFT and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/18 10:38
S118	19	(data or payload) with (pilot) with (phase) with ((add\$4 or combin\$4 or sum\$4) or (multiplication or multiplied or multiply)) and IFFT and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/18 10:41
S119	1	("6639950").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2010/06/18 11:01
S120	135	(add\$4 or combin\$4 or convol\$5 or sum\$4) with (data or payload) with pilot \$4 same IFFT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/18 11:09
S121	31	((add\$4 or combin\$4 or convol\$5 or sum\$4) with (data or payload) with pilot \$4 same IFFT and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/18 11:10
S122	2	phase with pilot with data with (add\$4 or sum\$4 or multiplication or multiply) same IFFT and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/18 11:20
S125	1	(PAPR or crest) and (phase with data with pilot) same IFFT and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/18 11:25
S128	3	(PAPR or crest).ti. and ((phase with (rotat\$4 or shift \$4 or modif\$5)) same data same pilot) and IFFT and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/18 11:28
S129	3692	ofdm and (phase with (shift \$4 or rotat\$5)) and IFFT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/18 11:37
S130	383	ofdm and (phase with (shift \$4 or rotat\$5)) with pilot and IFFT	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/18 11:37

S131	131	ofdm and (phase with (shift \$4 or rotat\$5)) with pilot with (payload or data) and IFFT	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/18 11:37
S132	23	ofdm and (phase with (shift \$4 or rotat\$5)) with pilot with (payload or data) and IFFT and @ad<="20030318"	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/18 11:37
S133	46	FFT adj modulation	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/18 11:48
S134	1	(colvolution with insert\$4)	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/07 21:43
S135	2586	(convolution with insert\$4)	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/07 21:43
S136	12	(convolution with insert\$4) with pilot	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/07 21:43
S137	12	(convolution with (combin \$4)) with pilot	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/07 21:46
S138	253	(convolution with (add\$4 or sum\$4 or combin\$4)) with phase	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/07 21:47
S139	12	(convolution with (add\$4 or sum\$4 or combin\$4)) with phase and ofdm	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/12/07 21:48
S140	23117	(add\$4 or combin\$4 or sum \$4 or multipl\$4) with (data or inform\$5) with (pilot\$4 or training or preamb\$4)	US-PGRUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/07 12:35

S141	2027	(add\$4 or combin\$4 or sum\$4 or multipl\$4) with (data or inform\$5) with (pilot\$4 or training or preamb\$4) with (phase\$4 or angl\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/07 12:37
S142	802	(add\$4 or combin\$4 or sum\$4 or multipl\$4) with (data or inform\$5) with (pilot\$4 or training or preamb\$4) with (phase\$4 or angl\$4) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/07 12:37
S143	82	(ofdm or "802.11") and (add\$4 or combin\$4 or sum\$4 or multipl\$4) with (data or inform\$5) with (pilot\$4 or training or preamb\$4) with (phase\$4 or angl\$4) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/07 12:38
S144	64	(ofdm or "802.11") and (insert\$4 or add\$4 or combin\$4) with (data or inform\$5) with (pilot\$4 or training or preamb\$4) with (phase\$4 or angl\$4) and transmitter and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/07 13:26
S145	64	(ofdm or "802.11") and (colvout\$5 or insert\$4 or add\$4 or combin\$4) with (data or inform\$5) with (pilot\$4 or training or preamb\$4) with (phase\$4 or angl\$4) and transmitter and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/07 13:26
S146	0	(ofdm or "802.11") and (colvout\$5 or insert\$4 or add\$4 or combin\$4) with ((data or inform\$5) adj1 phase) with ((pilot\$4 or training or preamb\$4) adj1 phase) with (phase\$4 or angl\$4) and transmitter and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/07 16:19
S147	0	(ofdm or "802.11") and (colvout\$5 or insert\$4 or add\$4 or combin\$4) with ((data or inform\$5) adj1 phase) with ((pilot\$4 or training or preamb\$4) adj1 phase) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/07 16:20
S148	3	(colvout\$5 or insert\$4 or add\$4 or combin\$4) with ((data or inform\$5) adj1 phase) with ((pilot\$4 or training or preamb\$4) adj1 phase) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/07 16:20



S149	2714	(convolu\$5 or insert\$4 or add \$4 or combin\$4) same (data or inform\$5) same (pilot\$4 or training or preamb\$4) same (angle or phase) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/07 16:23
S150	986	(convolu\$5 or insert\$4 or add \$4 or combin\$4) same (data or inform\$5) same (pilot\$4 or training or preamb\$4) same (angle or phase) same (encod\$4 or modulatt\$5) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/07 16:24
S151	332	(convolu\$5 or insert\$4 or add \$4 or combin\$4) same (data or inform\$5) with (pilot\$4 or training or preamb\$4) with (angle or phase) same (encod\$4 or modulatt\$5) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/07 16:25
S152	207	(convolu\$5 or insert\$4 or add \$4 or combin\$4) with (data or inform\$5) with (pilot\$4 or training or preamb\$4) with (angle or phase) same (encod\$4 or modulatt\$5) and @ad<="20030318"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/07 16:25
S153	1	("6026123").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2011/05/07 17:21
S154	14	(pilot adj phase) same ((data or information) adj phase)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/07 18:49
S155	1	("7248559").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2011/05/07 21:15
S156	1369	ofdm and (pilot or training) with (angle or phase\$4) with data\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/07 21:17
S157	1718	ofdm and (pilot or training) with (angle or phase\$4) with (information or data\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/07 21:17
S158	286	ofdm and (pilot or training) with (angle or phase\$4) with (information or data\$4) and @ad<="20030319"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/07 21:17

S159	63	ofdm and (pilot or training) with (angle or phase\$4) with (information or data\$4) with (insert\$4 or add\$4 or combin \$4) and @ad<="20030319"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/05/07 21:18
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**EAST Search History (Interference)**

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